RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/5//,043_

Source: _PCT_

Date Processed by STIC: _7-12-05_

ENTERED

PCT

```
 4 <110> APPLICANT: Genencor International, Inc.
 5       Soucaille, Philippe
 7 <120> TITLE OF INVENTION: Method of Creating a Library of
 8       Bacterial Clones with Varying Levels of Gene Expression
11 <130> FILE REFERENCE: GC743-2-US
13 <140> CURRENT APPLICATION NUMBER: US 10/511,043
14 <141> CURRENT FILING DATE: 2004-10-12
16 <150> PRIOR APPLICATION NUMBER: US 60/374,627
17 <151> PRIOR FILING DATE: 2002-04-21
19 <160> NUMBER OF SEQ ID NOS: 75
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 70
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: promoter
31 <400> SEQUENCE: 1
32 ttaggcaccc caggctttac actttatgct tccggctggt atgttgtgtg gaattgtgag      60
33 cgataacaat                                                            70
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 69
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: promoter
43 <400> SEQUENCE: 2
44 ttctgaaatg agctgttgac aattaatcat cggctcgtat aatgtgtgga attgtgagcg      60
45 gataacaat                                                             69
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 70
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: promoter
55 <400> SEQUENCE: 3
56 aactgcaaaa atagtttgac accctagccg ataggcttta agatgtaccc agttcgatga      60
57 gagcgataac                                                            70
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 70
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 07/12/2005
PATENT APPLICATION: US/10/511,043   TIME: 10:25:57

Input Set : D:\743_2_US seqlist.txt
Output Set: N:\CRF4\07122005\J511043.raw

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65  <223> OTHER INFORMATION: promoter
67  <400> SEQUENCE: 4
68  ttttaaaaaa ttcatttgct aaacgcttca aattctcgta taatatactt cataaattga      60
69  taaacaaaaa                                                              70
71  <210> SEQ ID NO: 5
72  <211> LENGTH: 69
73  <212> TYPE: DNA
74  <213> ORGANISM: Artificial Sequence
76  <220> FEATURE:
77  <223> OTHER INFORMATION: promoter
79  <400> SEQUENCE: 5
80  tcataaaaaa tttatttgct ttcaggaaaa tttttctgta taatagattc ataaattgag      60
81  agaggagtt                                                               69
83  <210> SEQ ID NO: 6
84  <211> LENGTH: 70
85  <212> TYPE: DNA
86  <213> ORGANISM: Artificial Sequence
88  <220> FEATURE:
89  <223> OTHER INFORMATION: promoter
91  <400> SEQUENCE: 6
92  tgaaaataa aattcttgat aaaattttcc aatactatta taatattgtt attaaagagg        60
93  agaaattaac                                                              70
95  <210> SEQ ID NO: 7
96  <211> LENGTH: 70
97  <212> TYPE: DNA
98  <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: promoter
103 <400> SEQUENCE: 7
104 atataaaaac cgttattgac acaggtggaa atttagaata tactgttagt aaacctaatg       60
105 gatcgacctt                                                              70
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 70
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: promoter
115 <400> SEQUENCE: 8
116 ttatcaaaaa gagtattgac ttaaagtcta acctatagga tacttacagc catcgagagg       60
117 gacacggcga                                                              70
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 71
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: promoter
127 <400> SEQUENCE: 9
128 cacgaaaaac aggtattgac aacatgaagt aacatgcagt aagatacaaa tcgctaggta       60
129 acactagacg c                                                            71
```

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Output Set: **N:\CRF4\07122005\J511043.raw**

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131 <210> SEQ ID NO: 10
132 <211> LENGTH: 70
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: promoter
139 <400> SEQUENCE: 10
140 ggtgaaacaa aacggttgac acactgaagt aaacacggta cgatgtacca catgaaacga    60
141 cagtgagtca                                                           70
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 70
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: promoter
151 <400> SEQUENCE: 11
152 ttatctctgg cggtgttgac ataaatacca ctggcggtga tactgagcac atcagcagga    60
153 cgcactgacc                                                           70
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 71
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: promoter
163 <400> SEQUENCE: 12
164 ctaggcaccc caggctttac actttatgct tccggctggt ataatgtgtg gaattgtgag    60
165 cggataacaa t                                                         71
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 70
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: promoter
175 <400> SEQUENCE: 13
176 aattcaccgt cgttgttgac attttttaagc ttggcggtta taatggtacc ataaggaggt   60
177 ggatccggca                                                           70
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 70
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: promoter
187 <400> SEQUENCE: 14
188 tttttctaa atacattcaa atatgtatcc gctcatgaga caataaccct gataaatgct     60
189 tcaataatat                                                           70
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 60
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
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```
196 <220> FEATURE:
197 <223> OTHER INFORMATION: promoter
199 <400> SEQUENCE: 15
200 gcccttgaca atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca        60
202 <210> SEQ ID NO: 16
203 <211> LENGTH: 60
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: promoter
210 <400> SEQUENCE: 16
211 gcccttgact atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca        60
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 60
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: promoter
221 <400> SEQUENCE: 17
222 gcccttgacg atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca        60
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 84
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: promoter
232 <400> SEQUENCE: 18
233 aggctttaca ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat       60
234 ttcacacagg aaacagctat gacc                                               84
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 84
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: promoter
244 <400> SEQUENCE: 19
245 gcccttgaca atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca       60
246 atcacacagg aaacagctat gacc                                               84
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 86
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: promoter
256 <400> SEQUENCE: 20
257 gcccttgact atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca       60
258 atttcacaca ggaaacagct atgacc                                             86
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 86
```

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              Input Set : D:\743_2_US seqlist.txt
              Output Set: N:\CRF4\07122005\J511043.raw

```
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: promoter
268 <400> SEQUENCE: 21
269 gcccttgacg atgccacatc ctgagcaaat aattcaacca ctaattgtga gcggataaca      60
270 atttcacaca ggaaacagct atgacc                                         86
272 <210> SEQ ID NO: 22
273 <211> LENGTH: 19
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: recombinant clone
280 <400> SEQUENCE: 22
281 caaggaggaa acagctatg                                                 19
283 <210> SEQ ID NO: 23
284 <211> LENGTH: 19
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: recombinant clone
291 <400> SEQUENCE: 23
292 caagaaggaa acagctatg                                                 19
294 <210> SEQ ID NO: 24
295 <211> LENGTH: 19
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: recombinant clone
302 <400> SEQUENCE: 24
303 cacacaggaa acagctatg                                                 19
305 <210> SEQ ID NO: 25
306 <211> LENGTH: 19
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: recombinant clone
313 <400> SEQUENCE: 25
314 ctcacaggag acagctatg                                                 19
316 <210> SEQ ID NO: 26
317 <211> LENGTH: 19
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: recombinant clone
324 <400> SEQUENCE: 26
325 ctcacaggaa acagctatg                                                 19
327 <210> SEQ ID NO: 27
328 <211> LENGTH: 19
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VERIFICATION SUMMARY   DATE: 07/12/2005
PATENT APPLICATION: **US/10/511,043**   TIME: 10:25:58

Input Set : **D:\743_2_US seqlist.txt**
Output Set: **N:\CRF4\07122005\J511043.raw**